

Appendix D: Draft Compatibility Determinations

COMPATIBILITY DETERMINATION

Use: Recreational Fishing

Refuge Name: Squaw Creek National Wildlife Refuge

Establishing and Acquisition Authority: Executive Order No. 7156, August 23, 1935.

Refuge Purpose(s): "...as a refuge and breeding ground for migratory birds and other wildlife." 16 USC 715d (Migratory Bird Conservation Act)

"...for use as an inviolate sanctuary, or for any other management purpose, for migratory birds." 16 USC 715d (Migratory Bird Conservation Act)

"...suitable for-(1) incidental fish and wildlife-oriented recreational development, (2) the protection of natural resources, (3) the conservation of endangered species or threatened species..." 16 USC 460k-1 "...the Secretary...may accept and use...real...property. Such acceptance may be accomplished under the terms and conditions of restrictive covenants imposed by donors..." 16 USC 460k-2 (Refuge Recreation Act (16 USC 460k-460-k), as amended).

National Wildlife Refuge System Mission: "The Mission of the National Wildlife Refuge System is to administer a national network of lands and waters for the conservation, management, and where appropriate, restoration of the fish, wildlife, and plant resources and their habitats within the United States for the benefit of present and future generations of Americans."

Description of Use:

What is the use? Recreational Fishing

Where is the use conducted? Fishing is permitted along the ditch banks, Squaw and Davis Creeks, at the Eagle Pool outlet and pool margins of the primary access roads.

When is the use conducted? Fishing is permitted during seasons set by the Missouri Department of Conservation.

How is the use conducted? Fish may be taken only by pole and line during the regular season. However, snagging of nongame fish is permitted at the Eagle Pool outlet from March 15 to May 15. There are access stairs at the control structure to accommodate this activity. Boats are not permitted.

Availability of Resources: Fishing has not been a major activity at Squaw Creek the past 20-30 years. Based on a review of Refuge budget allocated for this activity, there is adequate funding to ensure compatibility and to administer and to manage recreational fishing at its current level. Approximately \$1,000 of staff costs is required to administer this use. This includes law enforcement and maintenance around the control structure.

Anticipated Impacts of the Use: Bank fishing is permitted in ditches, Squaw and Davis Creeks, at the Eagle Pool outlet and pool margins along the major access roads. This represents the majority of fishable water on the Refuge. Fishing has never been a major activity at Squaw Creek NWR. The current fishing program appears to satisfy the local demand for nongame recreational fishing. There are no other conflicts with Refuge management and activities since boats are not permitted.

Public Review and Comment: This compatibility determination is presented for public review and comment as part of the draft Squaw Creek National Wildlife Refuge Comprehensive Conservation Plan (CCP) and Environmental Assessment.

Determination:

___ Use is Not Compatible

XX Use is Compatible with Following Stipulations

Stipulations Necessary to Ensure Compatibility: Squaw Creek NWR is open sunrise to sunset and only day-use activities are permitted. Recreational fishing is restricted to the main pool ditches and creeks adjacent to the auto tour route. Fishing is controlled by Missouri Department of Conservation regulations. The current fishing program will not be expanded but maintained at status quo.

Justification: A Fisheries Management Assessment was completed January 1987 and the recommendation by the fishery biologist was to continue to maintain the existing public fishing program and make no further attempts to manage the game fish population or enhance sport fishing opportunities on the Refuge. The removal of nongame fish helps improve the water quality. Fishing is a priority public use and those participating in this activity are exposed to the National Wildlife Refuge System and its mission.

Signature: _____
Refuge Manager: (Signature and Date)

Concurrence: _____
Regional Chief: (Signature and Date)

Mandatory 10- or 15-year Re-evaluation Date:

Compatibility Determination

Use: Environmental Education and Interpretation

Refuge Name: Squaw Creek National Wildlife Refuge

Establishing and Acquisition Authority: Executive Order No. 7156, August 23, 1935.

Refuge Purpose(s): “...as a refuge and breeding ground for migratory birds and other wildlife.” 16 USC 715d (Migratory Bird Conservation Act)

“...for use as an inviolate sanctuary, or for any other management purpose, for migratory birds.” 16 USC 715d (Migratory Bird Conservation Act)

“...suitable for-(1) incidental fish and wildlife-oriented recreational development, (2) the protection of natural resources, (3) the conservation of endangered species or threatened species...” 16 USC 460k-1 “...the Secretary...may accept and use...real...property. Such acceptance may be accomplished under the terms and conditions of restrictive covenants imposed by donors...” 16 USC 460k-2 (Refuge Recreation Act (16 USC 460k-460-k), as amended).

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Description of Use:

What is it? Environmental education and interpretive presentations

Where is the use conducted? In a variety of locations on the refuge and at the refuge headquarters.

When is the use conducted? Throughout the year

How is the use conducted? Environmental education activities are provided by the refuge staff, volunteers, teachers or leaders of the visiting group. Interpretation is a self-guided format with additional information being provided by refuge staff, volunteers, exhibits, signs and brochures.

Availability of Resources: Based on a review of Refuge budget allocated for this activity, there is adequate funding to ensure compatibility and to administer the environmental education and interpretive programs. Approximately \$25,000 of staff time is required to administer these uses. This includes supplies and use of equipment, teacher workshops, interpretive materials and off-site travel for training.

Anticipated Impacts of the Use: Anticipated impacts from these uses include minor damage to vegetation, littering, increased maintenance activity, and minor disturbances to wildlife. Careful management of time and space for this activity avoids any major conflicts with Squaw Creek’s primary purpose.

Public Review and Comment: This compatibility determination is presented for public review and comment as part of the draft Squaw Creek National Wildlife Refuge Comprehensive Conservation Plan (CCP) and Environmental Assessment.

Determination:

_____ Use is Not Compatible

XX Use is Compatible With Following Stipulations

Stipulations Necessary to Ensure Compatibility: Environmental education and interpretation activities and facilities will be reviewed annually to ensure the quality of their contributions and the associated impacts are at acceptable levels.

Justification: Environmental education and interpretation are priority public uses listed in the National Wildlife Refuge System Improvement Act. By providing for these uses on Squaw Creek NWR, the participant's knowledge and appreciation of fish and wildlife ecology will be enhanced, which will lead to increased public awareness of how healthy wildlife populations and their habitats are a benefit to them and to future generations. Increased public awareness of their natural and cultural environments contributes to the efforts of the Service to achieve the refuge's purposes and the mission of the National Wildlife Refuge System.

Signature: _____
Refuge Manager: (Signature and Date)

Concurrence: _____
Regional Chief: (Signature and Date)

Mandatory 10- or 15-year Re-evaluation Date:

Compatibility Determination

Use: Hunting White-tailed Deer

Refuge Name: Squaw Creek National Wildlife Refuge

Establishing and Acquisition Authority: Executive Order No. 7156, August 23, 1935.

Refuge Purpose(s): "...as a refuge and breeding ground for migratory birds and other wildlife." 16 USC 715d (Migratory Bird Conservation Act)

"...for use as an inviolate sanctuary, or for any other management purpose, for migratory birds." 16 USC 715d (Migratory Bird Conservation Act)

"...suitable for-(1) incidental fish and wildlife-oriented recreational development, (2) the protection of natural resources, (3) the conservation of endangered species or threatened species..." 16 USC 460k-1 "...the Secretary...may accept and use...real...property. Such acceptance may be accomplished under the terms and conditions of restrictive covenants imposed by donors..." 16 USC 460k-2 (Refuge Recreation Act (16 USC 460k-460-k), as amended).

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Description of Use:

What is the use? Hunting antlerless only white-tailed deer with muzzleloading firearms.

Where is the use conducted? On approximately 3,000 acres of the north end of the Refuge. This activity is permitted on approximately 41% of the refuge land.

When is the use conducted? The season(s) vary each year but generally during a mid-December to a mid-January time frame.

How is the use conducted? The muzzleloading firearm, antlerless only white-tailed deer hunt is conducted in accordance with an approved Hunting Plan and in compliance with State regulations. Applications for the hunt are accepted by the Missouri Department of Conservation during a 45 day period in the summer and 125 hunters are randomly drawn for each Saturday/Sunday hunt(s) and an additional 50 hunters are selected to hunt Sunday only. Refuge personnel perform law enforcement and operate the check station to gather hunter and biological data. All hunters are required to enter and exit the Refuge at the check station. For safety reasons, the hunt area is closed to the public during the hunting seasons.

Availability of Resources: Based on a review of the Refuge budget allocated for this activity, there is adequate funding to ensure compatibility, to administer the hunt and to collect biological and hunter information. Approximately \$6,500 of staff costs is required to administer this use. This includes posting signs, law enforcement, news releases, running the check station and visitor control.

Anticipated Impacts of the Use: The estimated deer population during 2001 was approximately 650-700 animals or more than 60 deer per square mile. The cropland and woodland habitat has been severely damaged by the over population of deer. A distinct browse line, which is a common

indicator of too many deer, can be seen in the brush and woodland habitat. A reduction in the deer population will permit brush and other woody vegetation to recover and improve conditions for croplands.

A mid-December and/or mid-January hunt coincides with a period when most waterfowl and bald eagles have already migrated through the area and is during the time period when public visitation is at its lowest for the year. In addition, the open hunting area is in the woodlands and cropland habitat at the north end of the Refuge which is the farthest from the wetlands which is normally used by waterfowl and bald eagles.

Public Review and Comment: This compatibility determination is presented for public review and comment as part of the draft Squaw Creek National Wildlife Refuge Comprehensive Conservation Plan (CCP) and Environmental Assessment.

Determination:

____ Use is Not Compatible

XX Use is Compatible With Following Stipulations

Stipulations Necessary to Ensure Compatibility: Hunting white-tailed deer is conducted in accordance with the provisions of the approved Refuge Hunting Plan and in compliance with State and Refuge-specific regulations. Only individuals selected in the random drawing are permitted to hunt once they have secured the required hunting license and have the proper hunting gear/weapons (blaze orange/muzzleloading firearms). All hunters are required to enter and exit through the check station and entrance gate.

Deer hunting quotas and seasons are tightly controlled and done in cooperation with the Missouri Department of Conservation and recommendations from the Refuge Biologist and State Deer Biologist. Seasons and quotas will be evaluated annually based on surveys and habitat conditions.

Justification: The reduction of the present deer herd is essential for the following reasons: (1) the deer population increased dramatically during the flood of 1983 when all habitat within the Missouri River bottomland was under water except the Refuge. They found abundant cropland and woody vegetation. Over browsing of woody vegetation occurred in the following years and many cropland acres on the Refuge were completely destroyed. (2) a large number of deer/vehicle accidents began to occur. (3) The most current deer surveys indicate a population of more than 60 deer per square mile, nearly 3 times the 15-20 deer per square mile of a normal, healthy population. (4) Prior to the first hunt in January 1988, there was severe damage to private croplands adjacent to the refuge. (5) Providing public hunting opportunities is a priority use of national wildlife refuges. An Environmental Assessment and Hunting Plan was written and approved in January 1987.

Signature: _____
Refuge Manager: (Signature and Date)

Concurrence: _____
Regional Chief: (Signature and Date)

Mandatory 10- or 15-year Re-evaluation Date:

Compatibility Determination

Use: Wildlife Observation and Photography

Refuge Name: Squaw Creek National Wildlife Refuge

Establishing and Acquisition Authority: Executive Order No. 7156, August 23, 1935.

Refuge Purpose(s): “...as a refuge and breeding ground for migratory birds and other wildlife.” 16 USC 715d (Migratory Bird Conservation Act)

“...for use as an inviolate sanctuary, or for any other management purpose, for migratory birds.” 16 USC 715d (Migratory Bird Conservation Act)

“...suitable for-(1) incidental fish and wildlife-oriented recreational development, (2) the protection of natural resources, (3) the conservation of endangered species or threatened species...” 16 USC 460k-1 “...the Secretary...may accept and use...real...property. Such acceptance may be accomplished under the terms and conditions of restrictive covenants imposed by donors...” 16 USC 460k-2 (Refuge Recreation Act (16 USC 460k-460-k), as amended).

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Description of Use:

What is it? Wildlife Observation and Photography

Where is the use conducted? Wildlife observation and photography opportunities are available at the Refuge headquarters complex, along the 10 mile circular auto tour and 2 mile Mallard Marsh road and along the 3 foot trails. Motorized vehicles and bicycles are confined to the designated auto tour routes and foot traffic confined to the 3 hiking trails. There is one designated picnic area to facilitate day-long participation in wildlife observation and photography.

When is the use conducted? The Refuge is open sunrise to sunset year-round except for the 2 to 4 day white-tailed deer hunt and during adverse climatic conditions.

How is the use conducted? The auto tour routes and 3 hiking trails are self-guided. Staff-led interpretive programs are occasionally available seasonally.

Availability of Resources: Based on a review of the Refuge budget allocated for this activity, there is adequate funding to ensure compatibility and to administer wildlife observation and photography activities. Approximately \$20,000 of staff costs is required to administer this use. This includes law enforcement, maintenance of the auto tour routes and foot trails, signs, leaflets and administration.

Anticipated Impacts of the Use: Potential impacts from visitors engaged in wildlife observation, photography and associated uses include: damage to vegetation, littering, increased road and trail maintenance and disturbances to wildlife. Because visitor access is controlled, these activities do not detract from the primary purposes of Squaw Creek. All potential impacts are considered minor.

Public Review and Comment: This compatibility determination is presented for public review and comment as part of the draft Squaw Creek National Wildlife Refuge Comprehensive Conservation Plan (CCP) and Environmental Assessment.

Determination:

___ Use is Not Compatible

XX Use is Compatible With Following Stipulations:

Stipulations Necessary to Ensure Compatibility: Public access for wildlife observation and photography and ancillary uses, will be in designated areas and with time restrictions to ensure minimal disturbance to wildlife. Wildlife observation and photography activities will be reviewed annually to ensure this compatibility determination still applies.

Justification: Wildlife observation and photography are priority uses listed in the National Wildlife Refuge System Improvement Act. By providing for these uses on Squaw Creek, visitors' knowledge and appreciation of fish and wildlife will be increased, which will lead to increased public stewardship of wildlife and their habitats at the refuge and in general. Increased public stewardship will support and complement the Service's actions in achieving Squaw Creek's purposes and the mission of the National Wildlife Refuge System.

Signature: _____
Refuge Manager: (Signature and Date)

Concurrence: _____
Regional Chief: (Signature and Date)

Mandatory 10- or 15-year Re-evaluation Date:

Compatibility Determination

Use: Farming and Haying

Refuge Name: Squaw Creek National Wildlife Refuge

Establishing and Acquisition Authority: Executive Order No. 7156, August 23, 1935

Refuge Purpose(s): “...as a refuge and breeding ground for migratory birds and other wildlife.” Executive Order 7156, dated August 23, 1935.

“...for use as an inviolate sanctuary, or for any other management purpose, for migratory birds.” 16 USC 715d (Migratory Bird Conservation Act)

“...suitable for-(1)incidental fish and wildlife-oriented recreational development, (2) the protection of natural resources, (3) the conservation of endangered species or threatened species...” 16 USC 460k-1 “...the Secretary...may accept and use...real...property. Such acceptance may be accomplished under the terms and conditions of restrictive covenants imposed by donors...” 16 USC 460k-2 (Refuge Recreation Act (16 USC 460k-460-k), as amended).

National Wildlife Refuge System Mission: “The Mission of the National Wildlife Refuge System is to administer a national network of lands and waters for the conservation, management, and where appropriate, restoration of the fish, wildlife, and plant resources and their habitats within the United States for the benefit of present and future generations of Americans.”

Description of Use:

What is the use? Farming and haying.

Where is the use conducted? Approximately 500 acres of croplands are planted in the north end of the refuge. This is approximately 6.8% of the total refuge acres. Approximately 300 acres of warm and cool season grasses, interspersed throughout the refuge, are hayed. This is approximately 4.1% of the total refuge acres.

When is the use conducted? The planting, growing and harvesting season is from mid-April through October. Haying is permitted from early July to early September, timed to protect bird nesting and to allow time for regrowth valuable as winter cover.

How is the use conducted? The farming is accomplished by cooperative farmers via annual cooperative agreements. It involves crop rotations consisting of corn, soybeans and clover. The cooperator gets two-thirds of the crop, while the refuge receives one-third, or an equivalent value in services. Haying is accomplished by annual Special Use Agreements to meet wildlife management needs, to assist in the conversion of cool season exotics to warm season native grasses and to aid prescribed burning activities.

Availability of Resources: Based on a review of Refuge budget allocated for this activity, there is adequate funding to ensure compatibility and to administer and to manage the use of the farming and haying program at its current level. Approximately \$1,500 of staff costs is required to administer this use. This includes meeting with each of the 3 cooperators annually to set up their agreements, checking field progress and compliance, determine areas to hay, typing up Special Use Permits and completing annual pesticide use reports.

Anticipated Impacts of the Use: Farming provides habitat diversity in meeting the purposes for which Squaw Creek NWR was established. It provides supplemental food for migratory birds and resident wildlife and provides habitat diversity for a variety of wildlife species. It meets the goals established in the Cropland Management section of the approved Habitat Management Plan. Haying is an accepted method for removal of annual growth, sets back invading brush species and is considered compatible with the purpose for which Squaw Creek NWR was established and the mission of the Refuge System. It meets the goals established in the Grassland Management section of the approved Habitat Management Plan.

Public Review and Comment: This compatibility determination is presented for public review and comment as part of the draft Squaw Creek National Wildlife Refuge Comprehensive Conservation Plan (CCP) and Environmental Assessment.

Determination:

____ Use is Not Compatible

XX Use is Compatible With Following Stipulations

Stipulations Necessary to Ensure Compatibility: All farming and haying is accomplished under the guidance of the Cropland and Grassland Management portions of the Habitat Management Plan. Farming cooperators are guided by annual farming agreements and haying cooperators are guided by Special Use Permits. The refuge uses biologically based crop rotations. No insecticides are used and only Service approved, biologically friendly herbicides are used and reported annually. Haying dates are regulated to avoid conflicts with nesting birds and to allow maximum late season growth for winter cover.

Justification: Squaw Creek National Wildlife Refuge is located within an intensively farmed agricultural community. Cooperative farming on the Refuge is consistent with practices within the community and is accomplished on land suitable for such management. Refuge croplands supplement natural food sources on the Refuge and enhance our ability provide wildlife viewing opportunities. Haying complements the refuge management efforts to develop and maintain flora and fauna diversity, to assist in the conversion of cool season grasses to warm season native grasses and forbs and to facilitate prescribe burning by creating firebreaks.

Signature: _____
Refuge Manager: (Signature and Date)

Concurrence: _____
Regional Chief: (Signature and Date)

Mandatory 10- or 15-year Re-evaluation Date:

Compatibility Determination

Use: Visitor Center Parking/Auto Tour Route Improvements

Refuge Name: Squaw Creek National Wildlife Refuge

Establishing and Acquisition Authority: Executive Order No. 7156, August 23, 1935.

Refuge Purpose(s): “...as a refuge and breeding ground for migratory birds and other wildlife.” 16 USC 715d (Migratory Bird Conservation Act)

“...for use as an inviolate sanctuary, or for any other management purpose, for migratory birds.” 16 USC 715d (Migratory Bird Conservation Act)

“...suitable for-(1) incidental fish and wildlife-oriented recreational development, (2) the protection of natural resources, (3) the conservation of endangered species or threatened species...” 16 USC 460k-1 “...the Secretary...may accept and use...real...property. Such acceptance may be accomplished under the terms and conditions of restrictive covenants imposed by donors...” 16 USC 460k-2 (Refuge Recreation Act (16 USC 460k-460-k), as amended).

National Wildlife Refuge System Mission: “The Mission of the National Wildlife Refuge System is to administer a national network of lands and waters for the conservation, management, and where appropriate, restoration of the fish, wildlife and plant resources and their habitats within the United States for the benefit of present and future generations of Americans.”

Description of Use:

What is it? The visitor center parking lot will be reconfigured to take better advantage of space and will provide additional handicapped spaces and a safer entrance/exit arrangement. The first 2,500 lineal feet of the refuge auto tour route will get an asphalt covering and handicap parking added at the Davis Creek tower.

Where is the use conducted? At the refuge headquarters and refuge auto tour route entrance.

When is the use conducted? Throughout the year

How is the use conducted? Vehicle parking by visitors and driving of the auto tour route entrance road to the Davis Creek observation tower.

Availability of Resources: Based on a review of Refuge budget allocated for this activity, there is adequate funding to ensure compatibility.

Anticipated Impacts of the Use: Anticipated impacts from these uses include minor damage to vegetation, littering, increased maintenance activity, and minor disturbances to wildlife. There are no major conflicts with Squaw Creek’s primary purpose.

Public Review and Comment: The public has been informed of this proposed project through newspaper articles and television and the refuge has received strong support for this project.

Determination:

___ Use is Not Compatible

XX Use is Compatible With Following Stipulations

Stipulations Necessary to Ensure Compatibility: The facilities will be maintained in a safe condition.

Justification: The current visitor parking lot at the headquarters and at the Davis Creek observation tower severely limits the number of parking spaces and is inadequate for physically challenged visitors. The reconfigured parking will provide additional parking spaces, additional handicapped spaces and a safer entrance/exit arrangement. The parking facilities supports the priority public uses listed in the National Wildlife Refuge System Improvement Act including environmental education, interpretation, wildlife observation and photography.

Signature: _____
Refuge Manager: (Signature and Date)

Concurrence: _____
Regional Chief: (Signature and Date)

Mandatory 10- or 15-year Re-evaluation Date:

Compatibility Determination

Use: Mushroom Gathering

Refuge Name: Squaw Creek National Wildlife Refuge

Establishing and Acquisition Authority: Executive Order No. 7156, August 23, 1935.

Refuge Purpose(s): "...as a refuge and breeding ground for migratory birds and other wildlife." 16 USC 715d (Migratory Bird Conservation Act)

"...for use as an inviolate sanctuary, or for any other management purpose, for migratory birds." 16 USC 715d (Migratory Bird Conservation Act)

"...suitable for-(1) incidental fish and wildlife-oriented recreational development, (2) the protection of natural resources, (3) the conservation of endangered species or threatened species..." 16 USC 460k-1 "...the Secretary...may accept and use...real...property. Such acceptance may be accomplished under the terms and conditions of restrictive covenants imposed by donors..." 16 USC 460k-2 (Refuge Recreation Act (16 USC 460k-460-k), as amended).

National Wildlife Refuge System Mission: "The Mission of the National Wildlife Refuge System is to administer a national network of lands and waters for the conservation, management, and where appropriate, restoration of the fish, wildlife, and plant resources and their habitats within the United States for the benefit of present and future generations of Americans."

Description of Use:

What is the use? Mushroom gathering (primarily morels)

Where is the use conducted? On approximately 700 acres within the bluffs east of State Highway 159. This activity is permitted on only about 9.5% of the total refuge land.

When is the use conducted? Mushroom seasons vary from year to year depending on temperatures and moisture. Gathering is permitted from April 10 to May 20.

How is the use conducted? A refuge brochure shows the area open to mushroom gathering. In addition, signs are erected at key locations with mushroom gathering information and maps. Spot checks of mushroom pickers are made to assess the harvest success and compliance with refuge regulations.

Availability of Resources: Based on a review of the Refuge budget allocated for this activity, there is adequate funding to ensure compatibility and to administer and to manage mushroom gathering. Approximately \$1,000 of staff costs is required to administer this use. This includes law enforcement compliance checks, erecting signs and publishing news releases.

Anticipated Impacts of the Use: Mushroom gathering is limited to a 40 day period in the spring and is restricted to the bluff area. The mushroom gathering area is approximately 700 acres or 9.5% of the 7,350 acres of refuge habitat that is open to this activity. While there is some wildlife disturbance resulting from people being in the wooded areas, it is considered minor and not limiting toward the achievement of the Refuge Purpose or the National Wildlife Refuge System Mission.

Public Review and Comment: This compatibility determination is presented for public review and comment as part of the draft Squaw Creek National Wildlife Refuge Comprehensive Conservation Plan (CCP) and Environmental Assessment.

Determination:

___ Use is Not Compatible

XX Use is Compatible With Following Stipulations

Stipulations Necessary to Ensure Compatibility: Mushroom gathering is restricted to a small area (approximately 700 acres) of bluff land east of State Highway 159 and to a short season. Brochures are available outlining this area and signs with regulations and maps are erected at key locations around the refuge. Refuge staff will monitor this activity for compliance and to ensure gathering is in modest amounts for personal consumption.

Justification: Mushroom gathering is minimal most years depending on the size of the crop. However, there is a demand for gathering mushrooms in the Refuge bluffs particularly during the spring turkey season which occurs on adjacent Missouri Department of Conservation lands. During this 40 day period, mushroom gatherers can pick mushrooms on the Refuge without the conflict of turkey hunting. In addition, the attraction of gathering mushrooms leads to public enjoyment of getting outside and into the woods. It is practical and applied environmental education.

Signature: _____
Refuge Manager: (Signature and Date)

Concurrence: _____
Regional Chief: (Signature and Date)

Mandatory 10- or 15-year Re-evaluation Date: